

AMENDMENTS TO THE CLAIMS

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An electric compressor comprising:

a compression mechanism ~~for sucking, compressing and discharging fluid~~
which sucks, compresses and discharges fluid;

an electric motor ~~for driving~~ which drives said compression mechanism;

a housing ~~[[for]]~~ containing said compression mechanism and said electric motor; and

an inverter ~~for driving~~ which drives said electric motor,

wherein an inverter case of said inverter is externally attached to an end wall of said housing in an axial direction, ~~on the side of~~ and proximate to a suction port ~~[[to]]~~ which introduces fluid into said compression mechanism,

an intake passage ~~for leading fluid returned~~ which returns fluid from [the] an outside of said compressor into said suction port, wherein said suction port is formed provided in said inverter case, and wherein said intake passage has a thermal binding portion ~~for thermally binding~~ which thermally binds said intake passage to said inverter, the thermal binding portion having a plurality of fins projecting into a fluid path of the intake passage.

2. (Currently Amended)) An electric compressor comprising:

a compression mechanism ~~for sucking, compressing and discharging fluid~~
which sucks, compresses and discharges fluid;

an electric motor ~~for driving~~ which drives said compression mechanism;

a housing ~~[[for]]~~ containing said compression mechanism and said electric motor; and

an inverter ~~for driving~~ which drives said electric motor,

wherein an inverter case of said inverter is externally attached to an end wall of said housing in an axial direction, ~~on~~ proximate a discharge side from said compression mechanism, said end wall having a suction port which returns fluid to said compression mechanism,

an intake passage ~~for leading returned fluid into~~ which returns fluid to said suction port, wherein said suction port is ~~formed~~ provided in said inverter case, and wherein said intake passage has a thermal binding portion ~~for thermally binding~~ which thermally binds said intake passage to said inverter, ~~[[and]]~~ wherein an air layer is provided between said intake passage and said end wall, and wherein the thermal binding portion has a plurality of fins projecting into a fluid path of the intake passage.

3. (Currently Amended) The electric compressor according to claim 1, wherein said thermal binding portion is ~~provided so as to be~~ positioned adjacent to

~~the whole~~ substantially an entire area of at least a high heating portion of said inverter.

4. (Currently Amended) The electric compressor according to claim 1 further comprising mounting legs ~~for mounting~~ configured to mount said electric compressor ~~in such a manner that the axis of said housing becomes horizontal or slanting, the mounting legs being provided in the housing on the side out of an inverter attachment portion~~ either horizontally or at an incline with respect to said axial direction.

5. (Currently Amended) The electric compressor according to claim 1, wherein said housing is divided into an inverter attachment side and ~~the other~~ an opposing side provided opposite said inverter attachment side in an axial direction.

6. (Currently Amended) The electric compressor according to claim 1, ~~wherein~~ further comprising a connection pin of a compressor terminal ~~for connecting, which connects~~ said electric motor to the outside, ~~[[is]]~~ said connection pin being directly connected to a circuit board of said inverter.

7. (Currently Amended) The electric compressor according to claim 6, wherein said compressor terminal has a seal portion provided in a connection port

of said inverter case, the seal portion being connected to ~~[[the]]~~ an inside of said housing.

8. (Currently Amended) The electric compressor according to claim 2, wherein said thermal binding portion is ~~provided so as to be~~ positioned adjacent to ~~the whole~~ substantially an entire area of at least a high heating portion of said inverter.

9. (Currently Amended) The electric compressor according to claim 2, further comprising mounting legs ~~for mounting~~ configured to mount said electric compressor ~~in such a manner that the axis of said housing becomes horizontal or slanting, the mounting legs being provided in the housing on the side out of an inverter attachment portion~~ either horizontally or at an incline with respect to said axial direction.

10. (Currently Amended)) The electric compressor according to claim 2, wherein said housing is divided into an inverter attachment side and ~~the other~~ an opposing side provided opposite said inverter attachment side in an axial direction.

11. (Currently Amended)) The electric compressor according to claim 2, ~~wherein~~ further comprising a connection pin of a compressor terminal ~~for~~

~~connecting~~, which connects said electric motor to the outside, [is] said connection pin being directly connected to a circuit board of said inverter.

12. (Currently Amended)) The electric compressor according to claim 11, wherein said compressor terminal has a seal portion provided in a connection port of said inverter case, the seal portion being connected to [the] an inside of said housing.